CLAIMS

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- 1. A diagnostic test apparatus comprising:
- 5 a shaft having a first end and a second end;
 - a swab or a biopsy punch mounted on the first end of a shaft; and
 - a cap for fitting over the first end of the shaft, said cap containing at least one diagnostic test reagent;

wherein the shaft comprises at least one cap engagement element located proximate to the first end, said element extending radially outwardly of the swab or the biopsy punch for engagement with the cap to retain the cap on the shaft.

- 2. A diagnostic test apparatus according to any preceding claim, wherein the cap engagement element is selected from the group consisting of: a tapered region of the shaft for forming an interference fit with the cap, a snap-fitting projection for forming a snap-fit with one or more complementary projections on an inner surface of the cap, and a thread projection for forming a screw fit with one or more complementary threads on an inner surface of the cap.
- 20 3. A diagnostic test apparatus according to any preceding claim, wherein the shaft is hollow, whereby a fluid can be passed down the shaft to expel a biological sample from the swab or the biopsy punch.
- 4. A diagnostic test apparatus according to any preceding claim, wherein the complementary fitting elements on the cap and the shaft are adapted to provide a substantially liquid-tight seal between the cap and the shaft.
 - 5. A diagnostic test apparatus according to any preceding claim, wherein, when the cap is secured on the shaft, the swab or the biopsy is in contact with an absorbent material that can wick fluid from the swab or the biopsy to the one or more diagnostic reagents.
 - 6. A diagnostic test apparatus according to any preceding claim, wherein a swab is attached to the first end of the shaft and the sample receiving port of the cap is

dimensioned such that, when the cap is secured on the shaft, the swab is compressed by the diagnostic cap to squeeze fluid out of the swab.

- 7. A diagnostic test apparatus according to any preceding claim, wherein a biopsy punch is attached to the first end of the shaft and the cap further comprises an internal projection adapted to crush or macerate a tissue sample in the biopsy punch when the punch is secured on the cap.
- 8. A diagnostic test apparatus according to any preceding claim, wherein the cap is at least partially transparent, or the cap comprises one or more window openings therein, to permit visual observation of a diagnostic indicator inside the cap.
 - 9. A diagnostic cap for use in an apparatus according to any of claims 1 to 8, comprising a substantially cup-shaped body, an absorbent plug located within the body, and at least one diagnostic test reagent located in or around the absorbent plug.
 - 10. A diagnostic cap according to claim 9, wherein the at least one diagnostic test reagent is provided in or on an annular diagnostic strip extending radially around the inside of the cap.

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- 11. A diagnostic cap according to claim 9, wherein at least one diagnostic test reagent is provided in or on a diagnostic sheet extending transversely across the inside of the cap.
- 12. A diagnostic cap according to claim 9, wherein the absorbent plug has an uncompressed volume of from about 10 to about 1000mm³, preferably from about 50 to about 300 mm³.
- 13. A diagnostic cap for use in a diagnostic apparatus according to any of claims 1 to 8, wherein the cap comprises a sample receiving port having an interior surface configured for engagement with the cap engagement elements on the shaft, and a housing defining a lateral flow path for a liquid sample, the lateral flow path having an inlet end in fluid communication with the sample receiving port

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14. A diagnostic cap according to claim 13, wherein the housing further comprises a

base for the cap, whereby the cap can rest on said base on a horizontal surface with the

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sample receiving port opening in an upward direction to receive the shaft.

5 15. A diagnostic cap according to claim 14, wherein the housing has a substantially flat

lower surface forming said base for the housing, and the sample receiving port opens

upwardly from an upper surface of the housing opposite said flat lower surface.

16. A diagnostic cap according to claim 14 or 15, wherein the lateral flow path extends

substantially in a plane that is substantially perpendicular to the axis of the sample

receiving port.

17. A diagnostic cap according to any of claims 14 to 16, wherein the housing contains

a plurality of lateral flow paths for detecting a plurality of different analytes.

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18. A diagnostic cap according to claim 17, wherein the plurality of lateral flow paths

are spaced radially around the sample receiving port, preferably in a plane substantially

perpendicular to the axis of the sample receiving port.

20 19. A diagnostic test system comprising a first diagnostic test apparatus according to

any of claims 1 to 8, wherein the shaft has a swab attached thereto, and a second diagnostic

test apparatus according to any of claims 1 to 8, wherein the shaft has a biopsy punch

attached thereto, and wherein the diagnostic caps can be secured interchangeably on the

shafts of the first and second apparatuses.

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